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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **BULJ, Arnold, W. [NL/NL]**; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **BEIJ, Marcel [NL/NL]**; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **WESSELS, Johannes, H. [NL/NL]**; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agents: **BOSMA, Rudolphus, H., A.** et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

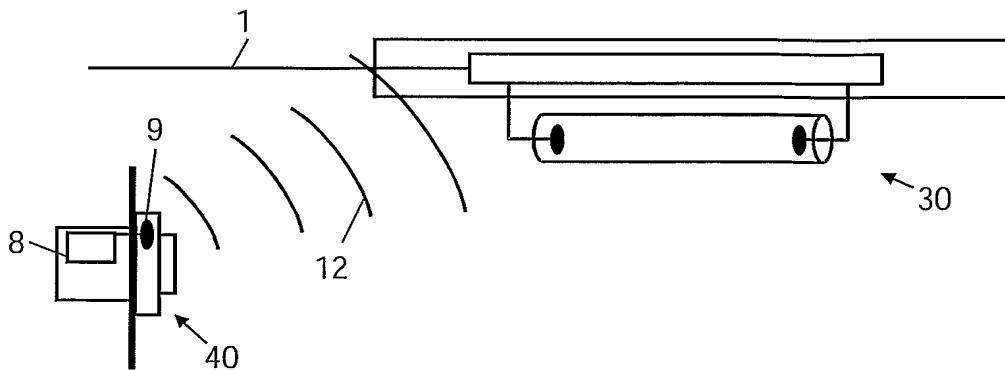
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(54) Title: MAINS WIRE ANTENNA FOR WIRELESS INTERFACE APPLICATIONS



(57) **Abstract:** The present invention deals with wireless control of a lamp such as a fluorescent lamp controlled by a ballast with a wireless control interface for RF communication. The receiver input and the transmitter output of the control interface module are connected to one or more mains wires by means of (a) coupling capacitor(s) or a Lecher line transformer. During operation the one or more mains wires serve as the lamp antenna.

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